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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,492	06/22/2001	Luis M. Ortiz	ORTIZ-1001	7719

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EXAMINER

ELAHEE, MD S

ART UNIT	PAPER NUMBER
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2614

MAIL DATE	DELIVERY MODE
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09/10/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/887,492

Applicant(s)

ORTIZ, LUIS M.

Examiner

Md S. Elahee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 7-11, 14-23, 30, 31, 88-94, 97-100 and 105-117 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7-11, 14-23, 30, 31, 88-94, 97-100 and 105-117 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. This action is responsive to an amendment filed 06/22/2007. Claims 1-3, 7-11, 14-23, 30, 31, 88-94, 97-100 and 105-117 are pending. Claims 4-6, 12, 13, 24-29, 79-87, 95, 96 and 101-104 have been previously cancelled. Claims 32-78 have been previously withdrawn.

Response to Arguments

2. Applicant's arguments filed 06/22/2007 Remarks have been fully considered but they are not persuasive.

Regarding claim 1, the applicant argues on pages 20-21 that Theimer does not teach or suggest to request the assistance of public wireless communications network providers or hardware to help the user through the user's wireless device (WD) find publicly accessible data rendering devices. Examiner respectfully disagrees with this argument. The applicant didn't define the public communication networks. In col.4, lines 21-27, Theimer teaches that differential GPS radio based technique is used to locate electronic device 170-178 in Fig.1. The differential GPS is public communication network resource. Therefore it is clear that Theimer teaches the use of public wireless communications network providers or hardware to help a wireless device user to find publicly accessible rendering devices. In order to get help there must have a request for the assistance of public wireless communications network providers or hardware.

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The applicant further argues on page 21 that Haartsen is focused on short range applications, which teaches away from Applicant's invention. Examiner respectfully disagrees with this argument. The examiner does not depend upon Haartsen for the teaching of Applicant's invention claimed in claim 1. Instead, examiner depends upon Haartsen for the teaching of "data rendering device (DRD) further comprising at least one of a video monitor, an Internet Kiosk, a multimedia projector or an ATM machine". Haartsen teaches this limitation (see col.13, lines 15-18).

Therefore, the rejection of the claim in view of Theimer and Haartsen will remain.

Claims 2,3,7-9,15-20,22,23,30,31,93,97-99,105 are rejected for the same reasons as discussed above with respect to claim 1.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

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1. Determining the scope and contents of the prior art.
 2. Ascertaining the differences between the prior art and the claims at issue.
 3. Resolving the level of ordinary skill in the pertinent art.
 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
5. Claims 1-3, 7-9, 15-20, 22, 23, 30, 31, 89-93, 98-100, 105-113 and 115-117 are rejected under 35 U.S.C. 103(a) as being unpatentable over Theimer et al. (U.S. Patent No. 5,793,630) in view of Haartsen (U.S. Patent No. 6,574,266).

Regarding claims 1, 99, 100, 106 and 107, with respect to Figures 1, 2, Theimer teaches a method of brokering data between handheld wireless devices and data rendering devices whose locations and identities are not previously known to the handheld wireless devices or its users, comprising:

identifying data from a portable device (PDA) [i.e., wireless device (WD)] for rendering at a publicly accessible electronic device [i.e., data rendering device (DRD)], wherein said DRD has a publicly accessible location not yet known to the PDA or its user (abstract; col.4, lines 42-47, 52-66, col.5, lines 14-19);

Theimer further teaches providing a request to locate at least one DRD from the WD through a telecommunications network supporting data communications by the WD to a public data communications network resource, the network resource adapted to identify the location of at least one DRD in accordance with at least one of the WD's geographic location and a WD user profile associated with the WD (col.1, lines 57-65, col.4, lines 42-62) (Note; The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense. GPS was originally intended for

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military applications, but in the 1980s, the government made the system available for civilian use. GPS works in any weather conditions, anywhere in the world, 24 hours a day. Users can get better accuracy with Differential GPS (DGPS), which corrects GPS signals to within an average of three to five meters. This system consists of a **network of towers** that receive GPS signals and transmit a corrected signal by beacon transmitters. Since, Theimer's system uses differential GPS (see col.4, lines 25-27), the system must use **towers** [i.e., public wireless network communications hardware and **network of towers** [i.e., an associated public wireless communications network] for supporting wireless hand held devices.);

Theimer further teaches the network resource identifying the location of at least one DRD based on at least one of the WD's location based on at least one of the WD's location and matching the WD user profile (col.1, lines 57-65, col.4, lines 42-62);

Theimer further teaches the network resource providing the WD location information for at least one publicly accessible DRD in accordance with at least one criterion of the at least one publicly accessible DRD location near the WD and the at least one publicly accessible DRD matching the WD user profile (col.1, lines 57-65, col.4, lines 42-62);

Theimer further teaches selecting a DRD with the WD (col.1, lines 57-65, col.4, lines 42-62, col.5, lines 14-2)

Theimer further teaches transferring the document at the request of the WD to the DRD from a memory associated with the PDA, the data transferred to the DRD for rendering (abstract; fig.1, 2; col.1, lines 36-38, 57-65, col.4, lines 42-62, col.5, lines 14-29); and

However, Theimer does not specifically teach "data rendering device (DRD) further comprising at least one of a video monitor, an Internet Kiosk, a multimedia projector or an ATM

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machine". Haartsen teaches data rendering device (DRD) further comprising at least one of a video monitor, an Internet Kiosk, a multimedia projector or an ATM machine (col.13, lines 15-18). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Theimer to incorporate data rendering device (DRD) further comprising at least one of a video monitor, an Internet Kiosk, a multimedia projector or an ATM machine as taught by Haartsen. The motivation for the modification is to have doing so in order to get benefit from the service of a projector.

Regarding claim 2, Theimer teaches that the DRD renders document only after a render command is provided to the DRD through the PDA (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claims 3 and 93, Theimer teaches that the command inherently includes a passcode (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 7, Theimer teaches that the data is rendered by the DRD after the render command is provided by a WD user on a user interface associated with the DRD (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 8, Theimer teaches that the data is retrieved from a storage [i.e., mailbox] assigned to the WD user only after the WD user provides a passcode to the DRD (col.1, lines 61-65).

Regarding claim 9, Theimer teaches that the passcode is provided to the DRD by the WD (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Claim 15 is rejected for the same reasons as discussed above with respect to claim 1. Furthermore, Theimer teaches entering a DRD locator request with the WD to public communications network resources through a public wireless communications network supporting data communications by said WD, said public communications network resources including public wireless network communications hardware and associated data communications hardware and networks, the request being for said public wireless communication network resources, said DRD locator request being for said public communication network resources to find at least one DRD located near the WD, the locator request including WD location information, wherein the DRD location information is based on the WD location information (col.1, lines 57-65, col.4, lines 42-62).

Regarding claim 16, Theimer teaches that the data is transferred to the DRD from the public wireless communications network resources following the request at the DRD (col.1, lines 57-65, col.4, lines 42-62).

Regarding claim 17, Theimer teaches the public wireless communications network resources facilitating transfer of the data to the DRD from a memory associated with the WD (abstract; col.4, lines 42-47, 52-66, col.5, lines 14-19).

Claims 18-20 are rejected for the same reasons as discussed above with respect to claims 7-9 simultaneously.

Claims 22 and 23 are rejected for the same reasons as discussed above with respect to claims 2 and 3 simultaneously.

Claim 30 is rejected for the same reasons as discussed above with respect to claim 1. Furthermore, Theimer teaches using a PDA [i.e., wireless device (WD)] to request support from through public wireless network communications network hardware and an associated public wireless communications network to a remote server to locate at least one publicly accessible data rendering device (DRD), said remote server including publicly accessible DRD location information and adapted to support WD users in locating at least one publicly accessible data rendering device (DRD) by a request through the WD, and said at least one DRD is not previously assigned to said WD and said at least one DRD is physically accessible to a WD user of said WD, wherein locating of at least one DRD is executed by said remote server in cooperation with said public wireless network communications hardware (abstract; col.4, lines 42-47, 52-66, col.5, lines 14-19).

Regarding claims 31, 105, Theimer teaches that the PDA [i.e., WD] renders data to the DRD after a render command is provided by the user associated with the WD (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 89, Theimer teaches receiving at a mediator [i.e., network server] a request associated with the WD for delivery of the data for rendering at the DRD (col.4, lines 42-47, 52-66, col.5, lines 14-19);

determining if delivery of data can be inherently approved by at least one of the network and/or DRD (col.4, lines 42-47, 52-66, col.5, lines 14-19); and

if delivery is approved, the server processes the request including facilitating delivery of the data to the DRD (col.4, lines 42-47, 52-66, col.5, lines 14-19).

Regarding claim 90, Theimer teaches receiving the data from the server at the DRD (col.4, lines 42-47, col.5, lines 14-29).

Regarding claim 91, Theimer teaches that the data is received at the DRD via a network supporting the DRD (col.4, lines 42-47, col.5, lines 14-29).

Regarding claim 92, Theimer teaches rendering the data at the DRD following a rendering command received at the DRD by the WD (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 98, Theimer teaches that the command enable WD user manipulation of data during rendering of the data at the DRD using the WD (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Claims 108 is rejected for the same reasons as discussed above with respect to claim 1. Furthermore, Theimer fails to teach "printer". Haartsen teaches printer (col.13, lines 15-18). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Theimer to incorporate a printer as taught by Haartsen. The motivation for the modification is to have doing so in order to print document.

Claim 109 is rejected for the same reasons as discussed above with respect to claims 2 and 3.

Regarding claim 110, Theimer teaches that the at least one publicly accessible DRD rendering the data it received from the network server after further receiving a command [i.e., infrared authorization signal] from the wireless hand held device (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 111, Theimer teaches that the at least one publicly accessible DRD rendering the data it received from the network server after further receiving a command [i.e., wireless authorization signal] provided locally from the wireless hand held device (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

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Claims 112 and 117 are rejected for the same reasons as discussed above with respect to claim 107. Furthermore, Theimer teaches that the user of a hand held wireless device physically locating the publicly available DRD (fig.2).

Regarding claims 113 and 116, Theimer teaches that the at least one publicly accessible DRD rendering the data it received from the network server after further receiving a command [i.e., wireless authorization signal] provided locally from the wireless hand held device (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

Regarding claim 115, Theimer teaches that the at least one publicly accessible DRD rendering the data it received from the network server after further receiving a command [i.e., infrared authorization signal] from the wireless hand held device (col.1, lines 57-59, col.2, lines 61-63, col.4, lines 55-58).

6. Claims 10, 21 and 114 are rejected under 35 U.S.C. 103(a) as being unpatentable over Theimer et al. (U.S. Patent No. 5,793,630) in view of Haartsen (U.S. Patent No. 6,574,266) further in view of Challener et al. (U.S. Patent No. 6,591,297).

Regarding claims 10 and 21, Theimer in view of Haartsen fails to teach "said passcode is provided at a user interface associated with said DRD". Challener teaches that the passcode is provided at an entry pad [i.e., user interface] associated with the DRD [i.e., DRD] (fig.1; col.3, lines 16-18). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Theimer in view of Haartsen to allow the passcode being

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provided at a user interface associated with the DRD as taught by Challenger. The motivation for the modification is to have doing so in order to store the location information in the memory.

Claim 114 is rejected for the same reasons as discussed above with respect to claims 10 and 113.

7. Claims 11, 88, 94 and 97 are rejected under 35 U.S.C. 103(a) as being unpatentable over Theimer et al. (U.S. Patent No. 5,793,630) in view of Haartsen (U.S. Patent No. 6,574,266) further in view of Magro et al. (U.S. Patent No. 6,457,078).

Regarding claims 11, 88, 94 and 97, Theimer in view of Haartsen fails to teach “said rendering command includes decryption coding”. Magro teaches that the rendering command includes decryption coding (abstract; col.3, lines 35-49, col.4, lines 16-24, 31-54). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Theimer in view of Haartsen to allow the rendering command including decryption coding as taught by Magro. The motivation for the modification is to have doing so in order to decode the control command associated with token.

8. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Theimer et al. (U.S. Patent No. 5,793,630) in view of Haartsen (U.S. Patent No. 6,574,266) further in view of Ronen (U.S. Pub. No. 2002/0156708).

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Regarding claim 14, Theimer in view of Haartsen fails to teach "said network resource provides the WD with a passcode for use on an interface integrated with said DRD to cause said DRD to render the data". Ronen teaches that the network resource provides the WD with a password [i.e., passcode] for use on an interface integrated with said DRD to cause said DRD to render the data (page 3, paragraph 0029). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Theimer in view of Haartsen to allow network resource provides WD with a passcode for use on an interface integrated with the DRD to cause the DRD to render the data as taught by Ronen. The motivation for the modification is to have doing so in order to provide security for retrieval of data.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Md S. Elahee whose telephone number is (571) 272-7536. The examiner can normally be reached on Mon to Fri from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the organization where this application or proceeding is assigned is (571) 272-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Md. Shafiqul Alam Elahiee

MD SHAFIUL ALAM ELAHEE

Examiner

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September 3, 2007